

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 September 2005 (15.09.2005)

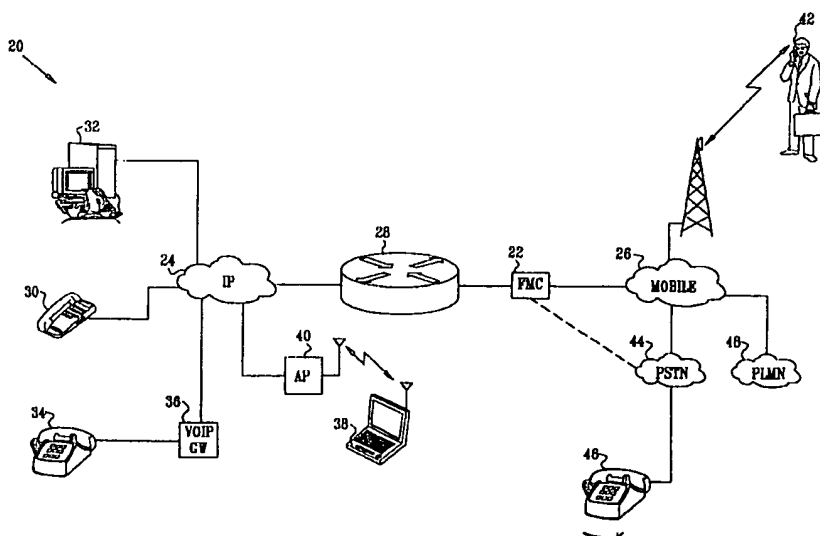
PCT

(10) International Publication Number
WO 2005/084128 A2

- (51) International Patent Classification: Not classified (74) Agents: SANFORD T. COLB & CO. et al.; P.O. Box 2273, 76122 Rehovot (IL).
- (21) International Application Number: PCT/IL2005/000256 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 3 March 2005 (03.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/550,747 4 March 2004 (04.03.2004) US
- (71) Applicant (for all designated States except US): OUT-SMART LTD. [IL/IL]; 1 Bat-Sheva Street, 71100 Lod (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DOTAN, Eran [IL/IL]; 47/10 Yehuda Maccabi Street, 62309 Tel Aviv (IL). SALOMON, Ofer [IL/IL]; P.O. Box 47, 76875 Kfar Hanagid (IL). ARUCH, Ronny [IL/IL]; 7 Rosh-Pina Street, 49723 Petah Tikva (IL). GOLDMAN, Boaz [IL/IL]; House 118, 90855 Moshav Shoeva (IL).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: INTEGRATION OF PACKET AND CELLULAR TELEPHONE NETWORKS



(57) Abstract: Communication apparatus (22) includes a packet network interface (62), for coupling to a packet switch (28) in a packet network (24), and a telephone network interface (63), for coupling to a node (54) in a circuit-switched telephone network (26). A convergence processor (66) is coupled between the packet network and telephone network interfaces and adapted to emulate a mobile switching center (MSC) and a visitor location register (VLR) in the circuit-switched telephone network so as to assign telephone numbers in the circuit-switched telephone network to user terminals (30, 32, 34, 38) in the packet network and to connect telephone calls, using the assigned telephone numbers, between telephones (42) in the circuit-switched network and the user terminals. 51617



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.